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Search Results -

Terms	Documents
chappell adj j and plant	30

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L10

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Search History

DATE: Friday, July 25, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=OR			
L10	chappell adj j and plant	30	L10
L9	Chappell adj J and chimeric	12	L9
L8	Chappell and chimeric	50	L8
L7	Chappell-Joseph-$.in.	2	L7
DB=USPT,DWPI; PLUR=YES; OP=OR			
L6	Chappell-Joseph-$.in.	2	L6
L5	L1 and plant	0	L5
L4	chappell-j-$.in. and plant	0	L4
L3	chappell-jos-$.in.	0	L3
L2	chappell-joseph-$.in.	2	L2
L1	chappell-j-$.in.	16	L1

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NEWS 4	Feb 24	TEMA now available on STN
NEWS 5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 6	Feb 26	PCTFULL now contains images
NEWS 7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 8	Mar 24	PATDPAFULL now available on STN
NEWS 9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 10	Apr 11	Display formats in DGENE enhanced
NEWS 11	Apr 14	MEDLINE Reload
NEWS 12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 13	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 15	Apr 28	RDISCLOSURE now available on STN
NEWS 16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 18	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 19	May 19	Simultaneous left and right truncation added to WSCA
NEWS 20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS 22	Jun 06	PASCAL enhanced with additional data
NEWS 23	Jun 20	2003 edition of the FSTA Thesaurus is now available

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 NEWS 24  Jun 25  HSDB has been reloaded
 NEWS 25  Jul 16  Data from 1960-1976 added to RDISCLOSURE
 NEWS 26  Jul 21  Identification of STN records implemented
 NEWS 27  Jul 21  Polymer class term count added to REGISTRY
 NEWS 28  Jul 22  INPADOC: Basic index (/BI) enhanced; Simultaneous
Left and
                  Right Truncation available

 NEWS EXPRESS  April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
               MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
               AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 17:14:20 ON 23 JUL 2003

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=> s isoprenoid(w)synthase and plant
L1             5 ISOPRENOID(W) SYNTHASE AND PLANT
```

=> d l1 1-5

L1 ANSWER 1 OF 5 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN
AN 1998:82677 AGRICOLA
DN IND21806569
TI Biochemical characterization of stromal and thylakoid-bound isoforms of isoprene synthase in willow leaves.
AU Wildermuth, M.C.; Fall, R.
CS University of Colorado, Boulder, CO.
AV DNAL (450 P692)
SO Plant physiology, Mar 1998. Vol. 116, No. 3. p. 1111-1123
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references
CY Maryland; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L1 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1998:218093 BIOSIS
DN PREV199800218093
TI Biochemical characterization of stromal and thylakoid-bound isoforms of isoprene synthase in willow leaves.
AU Wildermuth, Mary C.; Fall, Ray (1)
CS (1) Cooperative Inst. Res. Environ. Sci., Univ. Colo., Boulder, CO 80309-0215 USA
SO Plant Physiology (Rockville), (March, 1998) Vol. 116, No. 3, pp. 1111-1123.
ISSN: 0032-0889.
DT Article
LA English

L1 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:207025 CAPLUS
DN 129:2001
TI Biochemical characterization of stromal and thylakoid-bound isoforms of isoprene synthase in willow leaves
AU Wildermuth, Mary C.; Fall, Ray

CS Department of Chemistry and Biochemistry, University of Colorado, Boulder,
CO, 80309-0215, USA
SO Plant Physiology (1998), 116(3), 1111-1123
CODEN: PLPHAY; ISSN: 0032-0889
PB American Society of Plant Physiologists
DT Journal
LA English
RE.CNT 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:15856 CAPLUS
DN 128:99975
TI Transcriptional silencing elements from **isoprenoid synthase** genes of tobacco and the proteins binding them
IN Chappell, Joseph; Newman, Jeffrey D.; Yin, Shaohui
PA Board of Trustees of the University of Kentucky, USA
SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9747754	A1	19971218	WO 1997-US10178	19970613
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9733893	A1	19980107	AU 1997-33893	19970613
	CN 1227608	A	19990901	CN 1997-197140	19970613
	EP 979293	A1	20000216	EP 1997-929953	19970613
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI				
	JP 2001502885	T2	20010306	JP 1998-501823	19970613
PRAI	US 1996-20087P	P	19960613		
	WO 1997-US10178	W	19970613		

L1 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1997:696645 CAPLUS
DN 127:343337
TI **Isoprenoid synthase** fusion proteins and their use in the preparation of novel isoprenoids
IN Chappell, Joseph; Back, Kyoungwhan
PA University of Kentucky, USA
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9738703	A1	19971023	WO 1997-US5986	19970411
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5824774	A	19981020	US 1996-631341	19960412
	CA 2250712	AA	19971023	CA 1997-2250712	19970411
	ZA 9703108	A	19971104	ZA 1997-3108	19970411
	AU 9727264	A1	19971107	AU 1997-27264	19970411
	EP 904095	A1	19990331	EP 1997-921142	19970411
	EP 904095	B1	20020904		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI				
	BR 9708650	A	19990803	BR 1997-8650	19970411
	AP 808	A	20000229	AP 1997-971	19970411
	W: BW, GM, GH, KE, LS, MW, SD, SZ, UG, ZM, ZW				
	JP 2000508899	T2	20000718	JP 1997-537218	19970411
	EP 1229122	A2	20020807	EP 2002-9895	19970411
	EP 1229122	A3	20021009		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI				
	AT 223225	E	20020915	AT 1997-921142	19970411
	ES 2132046	T3	20030316	ES 1997-921142	19970411
	US 6072045	A	20000606	US 1998-134699	19980814
	KR 2000005385	A	20000125	KR 1998-708111	19981012
PRAI	US 1996-631341	A	19960412		

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      EP 1997-921142     A3    19970411
      WO 1997-US5986     W     19970411


=> s isoprenoid(w)synthase and mevalonate
L2            0 ISOPRENOID(W) SYNTHASE AND MEVALONATE

=> s isoprenoid(w)synthase and chimera
L3            0 ISOPRENOID(W) SYNTHASE AND CHIMERA

=> s terpene(w)synthase
L4          115 TERPENE(W) SYNTHASE

=> duplicate remove l4
DUPLICATE PREFERENCE IS 'AGRICOLA, BIOSIS, EMBASE, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L4
L5            61 DUPLICATE REMOVE L4 (54 DUPLICATES REMOVED)

=> s l5 and chimera
L6            0 L5 AND CHIMERA

=> s l5 and chimeric
L7            1 L5 AND CHIMERIC

=> d l7

L7   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2000:475787  CAPLUS
DN   133:100421
TI   Nucleic acid cloning without restriction enzymes
IN   Jarrell, Kevin A.; Coljee, Vincent W.; Donahue, William;
Mikheeva,
     Svetlana
PA   Trustees of Boston University, USA
SO   PCT Int. Appl., 93 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE           APPLICATION NO.  DATE
     ---------------    ----  --------       ---------------  --------
PI   WO 2000040715      A2    20000713       WO 2000-US189    20000105
     WO 2000040715      A3    20010208
     WO 2000040715      C2    20020829
         W:  AU, CA, JP, US
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,
MC, NL,
             PT, SE
     US 6358712         B1    20020319       US 1999-225990   19990105
     CA 2360011         AA    20000713       CA 2000-2360011  20000105
```

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     EP 1141275        A2   20011010       EP 2000-915689   20000105
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,
MC, PT,
             IE, FI
     JP 2002537762     T2   20021112       JP 2000-592412   20000105
     US 2003017552     A1   20030123       US 2001-910354   20010720
PRAI US 1999-114909P   P    19990105
     US 1999-225990    A    19990105
     WO 2000-US189     W    20000105
     US 2000-219820P   P    20000721
     US 2001-897712    A    20010629


=> d l7 1 ab

L7   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS on STN
AB   The present invention provides an improved system for linking
nucleic
     acids to one another.  In particular, the present invention
provides
     techniques for producing DNA product mols. that may be easily
and directly
     ligated to recipient mols.  The product mols. need not be
cleaved with
     restriction enzymes in order to undergo such ligation.  For
example,
     through the use of primers contg. ribonucleosides at their
5'-terminus., a
     double-stranded nucleic acid may be prepd., each strand of which
contains
     a 5'-RNA end.  Incubation at high pH removes the RNA, leaving a
     double-stranded DNA with overhanging 3'-ends.  These type of DNA
may be
     annealed to other such DNA mols. having complementary ends, then
ligated.
     In preferred embodiments of the invention, the DNA product mols.
are
     produced through iterative DNA synthesis reactions, so that the
product
     mols. are amplified products.  The invention further provides
methods for
     directed ligation of product mols. (i. e., for selective
ligation of
     certain mols. within a collection of mols.), and also for
methods of exon
     shuffling, in which multiple different product mols. are
produced in a
     single ligation reaction.  Preferred embodiments of the
invention involve
     ligation of product mols. encoding functional protein domains,
     particularly domains naturally found in conserved gene families.
 The
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inventive DNA manipulation system is readily integrated with other nucleic acid manipulation systems, such as ribozyme-mediated systems, and also is susceptible to automation.

=> s l5 and structure
L8 13 L5 AND STRUCTURE

=> d l8 1-13

L8 ANSWER 1 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2003) on STN
AN 2003:37716 AGRICOLA
DN IND23329915
TI The maize gene **terpene synthase** 1 encodes a sesquiterpene synthase catalyzing the formation of (E)-beta-farnesene, (E)-nerolidol, and (E,E)-farnesol after herbivore damage.
AU Schnee, C.; Kollner, T.G.; Gershenzon, J.; Degenhardt, J.
AV DNAL (450 P692)
SO Plant physiology, Dec 2002. Vol. 130, No. 4. p. 2049-2060
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references
CY Maryland; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L8 ANSWER 2 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2003) on STN
AN 2003:34505 AGRICOLA
DN IND23323726
TI Methyl jasmonate induces traumatic resin ducts, terpenoid resin biosynthesis, and terpenoid accumulation in developing xylem of Norway spruce stems.
AU Martin, D.; Tholl, D.; Gershenzon, J.; Bohlmann, J.

AV DNAL (450 P692)
SO Plant physiology, July 2002. Vol. 129, No. 3. p. 1003-1018
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references
CY Maryland; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L8 ANSWER 3 OF 13 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2003) on STN
AN 1998:39557 AGRICOLA
DN IND21075488
TI **Structure**, organization and putative function of the genes identified within a 23.9-kb fragment from Arabidopsis thaliana chromosome
IV.
AU Aubourg, S.; Takvorian, A.; Cheron, A.; Kreis, M.; Lecharny, A.
AV DNAL (QH442.A1G4)
SO Gene, Oct 15, 1997. Vol. 199, No. 1/2. p. 241-253
Publisher: Amsterdam : Elsevier Science.
CODEN: GENED6; ISSN: 0378-1119
NTE Includes references
CY Netherlands
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L8 ANSWER 4 OF 13 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2003) on STN
AN 97:1732 AGRICOLA
DN IND20538639
TI Evolution of floral scent in Clarkia: novel patterns of S-linalool
synthase gene expression in the C. breweri flower.
AU Dudareva, N.; Cseke, L.; Blanc, V.M.; Pichersky, E.
CS University of Michigan, Ann Arbor, MI.
SO The Plant cell, July 1996. Vol. 8, No. 7. p. 1137-1148
Publisher: [Rockville, MD : American Society of Plant Physiologists,

c1989-
CODEN: PLCEEW; ISSN: 1040-4651
NTE Includes references
CY Maryland; United States
DT Article
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L8 ANSWER 5 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 2002:610361 BIOSIS
DN PREV200200610361
TI Isoprene synthase and the relationship to the **terpene synthase** family.
AU Yeh, Sansun (1); Gong, Deming (1); Sharkey, Thomas D. (1)
CS (1) University of Wisconsin-Madison, Madison, WI: syeh2@students.wisc.edu
USA
SO Plant Biology (Rockville), (2002) Vol. 2002, pp. 160.
http://www.aspb.org/meetings/. print.
Meeting Info.: Annual Meeting of the American Society of Plant Biologists
on Plant Biology Denver, CO, USA August 03-07, 2002 American Society of
Plant Biologists
.
DT Conference
LA English

L8 ANSWER 6 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 2002:598703 BIOSIS
DN PREV200200598703
TI Defense responses in Medicago truncatula to herbivory and insect-derived
salivary factors of Spodoptera exigua.
AU Korth, Kenneth L. (1); Bede, Jacqueline C. (1); Gomez, S. Karen (1);
Doege, Sarah (1); Nakata, Paul
CS (1) Dept of Plant, University of Arkansas, Fayetteville, AR: kkorth@uark.edu USA
SO Plant Biology (Rockville), (2002) Vol. 2002, pp. 126.
http://www.aspb.org/meetings/. print.
Meeting Info.: Annual Meeting of the American Society of Plant Biologists
on Plant Biology Denver, CO, USA August 03-07, 2002 American Society of
Plant Biologists
.
DT Conference
LA English

L8 ANSWER 7 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 2002:598392 BIOSIS
DN PREV200200598392
TI Isoprene synthase and the relationship to the **terpene synthase** family.
AU Sansun, Yeh (1); Sharkey, Thomas D. (1); Gong, Deming
CS (1) Dept. Botany, Univ. Wisc. Madison, Madison, WI, 53706: syeh2@students.wisc.edu USA
SO Plant Biology (Rockville), (2002) Vol. 2002, pp. 30. http://www.aspb.org/meetings/. print.
Meeting Info.: Annual Meeting of the American Society of Plant Biologists
on Plant Biology Denver, CO, USA August 03-07, 2002 American Society of
Plant Biologists
.
DT Conference
LA English

L8 ANSWER 8 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 2002:369697 BIOSIS
DN PREV200200369697
TI Dissecting the chemical wizardry of **terpene synthases**.
AU Greenhagen, Bryan T. (1); Chappell, Joe (1)
CS (1) Plant Physiology, Biochemistry, and Molecular Biology Program,
University of Kentucky, N221W Ag Sci Center North, Lexington, KY, 40546
USA
SO FASEB Journal, (March 22, 2002) Vol. 16, No. 5, pp. A896. http://www.fasebj.org/. print.
Meeting Info.: Annual Meeting of Professional Research Scientists on
Experimental Biology New Orleans, Louisiana, USA April 20-24, 2002
ISSN: 0892-6638.
DT Conference
LA English

L8 ANSWER 9 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 2000:61462 BIOSIS
DN PREV200000061462
TI (3R)-linalool synthase from Artemisia annua L.: cDNA isolation, characterization, and wound induction.
AU Jia, Jun-Wei; Crock, John; Lu, Shan; Croteau, Rodney; Chen, Xiao-Ya (1)
CS (1) National Laboratory of Plant Molecular Genetics, Shanghai Institute of

Plant Physiology, Shanghai Institutes for Biological Science, Chinese
Academy of Sciences, 300 Fenglin Road, Shanghai, 200032 China
SO Archives of Biochemistry and Biophysics, (Dec. 1, 1999) Vol. 372, No. 1,
pp. 143-149.
ISSN: 0003-9861.
DT Article
LA English
SL English

L8 ANSWER 10 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1999:8381 BIOSIS
DN PREV199900008381
TI **Structure** and evolution of linalool synthase.
AU Cseke, Leland; Dudareva, Natalia; Pichersky, Eran (1)
CS (1) Dep. Biol., Univ. Michigan, Ann Arbor, MI 48109-1048 USA
SO Molecular Biology and Evolution, (Nov., 1998) Vol. 15, No. 11, pp.
1491-1498.
ISSN: 0737-4038.
DT Article
LA English

L8 ANSWER 11 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:459541 BIOSIS
DN PREV199799758744
TI Structural basis for cyclic terpene biosynthesis by tobacco
5-epi-aristolochene synthase.
AU Starks, Courtney M.; Back, Kyoungwhan; Chappell, Joseph; Noel, Joseph P.
(1)
CS (1) Structural Biology Lab., Salk Inst. Biological Studies, 10010 North
Torrey Pines Road, La Jolla, CA 92037 USA
SO Science (Washington D C), (1997) Vol. 277, No. 5333, pp. 1815-1820.
ISSN: 0036-8075.
DT Article
LA English

L8 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:555294 CAPLUS
TI Induction of volatile terpene biosynthesis and diurnal emission by methyl
jasmonate in foliage of Norway spruce
AU Martin, Diane M.; Gershenzon, Jonathan; Bohlmann, Joerg
CS Biotechnology Laboratory, University of British Columbia, Vancouver, BC,

V6T 1Z3, Can.
SO Plant Physiology (2003), 132(3), 1586-1599
CODEN: PLPHAY; ISSN: 0032-0889
PB American Society of Plant Biologists
DT Journal
LA English

L8 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:210327 CAPLUS
DN 132:248006
TI Crystal **structure** of tobacco 5-epi-aristolochene synthase and its use in designing modified active sites for production of new terpenoid products
IN Chappell, Joseph; Manna, Kathleen R.; Noel, Joseph P.; Starks, Courtney M.
PA University of Kentucky Research Department, USA; The Salk Institute for Biological Studies
SO PCT Int. Appl., 450 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000017327	A2	20000330	WO 1999-US21419	19990917
	WO 2000017327	A3	20010531		
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2342053	AA	20000330	CA 1999-2342053	19990917
	AU 9960458	A1	20000410	AU 1999-60458	19990917
	BR 9913878	A	20010612	BR 1999-13878	19990917
	EP 1121422	A2	20010808	EP 1999-969434	19990917
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L8 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AB Novel synthases and the corresponding nucleic acids encoding such synthases are disclosed herein. Such synthases possess an active site pocket that includes key amino acid residues that are modified to generate desired terpenoid reaction intermediates and products. Synthase modifications are designed based on the 3-dimensional coordinates of tobacco 5-epi-aristolochene synthase, with or without a substrate bound in the active site.

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